

Table 3
Channel Discharge Rates

Discharge Rates in cfs

Discharge Change Location		Return Frequency (years)				
Station	Location (at upstream end of stated flow)	10	25	50	100	500
Burton Creek						
22911	Southeast of Coulter Drive	662	451	507	574	697
21699	Between Brook Hollow Court and Lyndhurst	952	1,483	1,687	1,944	2,367
19543	Upstream of Avondale Avenue	1,245	1,514	1,707	1,937	2,357
16092	Upstream of the bridge at Burton Drive	1,798	2,160	2,411	2,727	3,376
14644	Upstream of Villa Maria	2,075	2,484	2,764	3,123	3,886
13237	The convergence of Tributary D and the Main Stem	3,914	4,706	5,327	6,290	7,439
12498	Broadmoor Drive Bridge Crossing	4,250	5,102	5,756	6,819	8,107
11546	Minor tributary confluence with the Main Stem	4,515	5,390	6,056	7,140	8,599
7821	The confluence of Tributary C and the Main Stem	6,448	7,888	8,664	9,408	11,753
6474	Upstream of the bridge at 29th Street	6,458	7,539	8,186	8,962	11,162
2759	Approximately 1935 ft. upstream of Highway 6	6,735	7,931	8,633	9,454	11,272
Tributary C						
8444	Upstream of College Street	510	622	702	797	972
6337	The south end of 4th Street	1,128	1,377	1,554	1,767	2,155
5445	Upstream of Greenbriar Lane	1,396	1,710	1,933	2,200	2,673
2031	Midway between Edwood Drive and Vine Street	1,897	2,497	2,845	3,246	3,954
Tributary D						
8950	The railroad tracks at Fin Feather Lake	62	68	72	76	242
8353	Upstream of Duncan Street	135	225	250	300	325
7834	Downstream side of Carson Street	433	522	585	696	917
6059	Downstream side of Williamson Drive	1,022	1,243	1,400	1,588	1,990
5519	Upstream edge of Country Club Lake	1,201	1,463	1,648	1,870	2,317
4265	Country Club Lake Spillway	1,618	1,973	2,224	2,526	3,075
3335	Upstream of Cavitt Avenue	1,768	2,128	2,406	2,814	3,337
1823	Texas Avenue Bridge	1,920	2,283	2,588	3,103	3,599
72	Convergence with Main Stem	1,935	2,318	2,629	3,169	3,624

Note: Discharge rates shown are ultimate rates from the hydrology report.